

~~S-E-C-R-E-T~~

8 July 1958

To : ~~ORR and OSI~~ Reading Panels
Thru : ~~Chief, St/S~~
: Chief, D/S
From : Chief, S/CST
Subject: Revision of Construction Branch Requirements for Reading Panels

1. Mission and function of the Branch

The Construction Branch is responsible for producing all source intelligence on the construction of fixed installations, the production of construction materials, and on civil defense activities within the Sino-Soviet Bloc, and such other areas as required, for contributing to the coordination of such intelligence production within the US government, and for contributing, within its field of responsibility, to National Intelligence Estimates. The scope of responsibility in the construction industry includes generally costs, methods, capabilities, and material~~l~~ and design standards of constructed fixed installations. The scope of responsibility in civil defense activities includes civil defense organization, tactics and training units with particular emphasis on shelter and related passive defense construction.

Within its field of responsibility, the Construction Branch functions are to:

a. Formulate, recommend, and prepare, or coordinate the preparation of, research programs and intelligence studies bearing on the economic activities, capabilities, vulnerabilities, and intentions of the Sino-Soviet Bloc.

b. Provide economic, including current, intelligence support and technical advice to other components of CIA or to other US Government agencies.

c. Contribute to economic sections of the NIS on Sino-Soviet Bloc countries.

d. Maintain working level liaison with other US Government agencies.

e. Provide chairmen and/or secretariat for EIC subcommittees.

f. Prepare collection, collation, and exploitation requirements and provide guidance and evaluation in support thereof.

g. Recommend and work with, as necessary, consultants and/or consultant panels to assist in carrying out Branch responsibilities.

~~S-E-C-R-E-T~~

S-E-C-R-E-T

h. As appropriate, review and evaluate intelligence reports received from US and foreign government agencies.

i. Devise, investigate, and develop research methods and techniques useful in the production of economic intelligence within the field of Branch responsibility.

2. Areas of interest

a. Geographical areas

The interests of the Construction Branch, from a geographical standpoint, are mainly limited to the Sino-Soviet Bloc countries and peripheral areas. The Branch does have a strong interest in trade or other agreements entered into by any country with any member of the Sino-Soviet Bloc which involves construction operations, the furnishing or receipt of construction materials, construction equipment, technical assistance and training, or other construction activities of any sort. The Branch is also interested in certain free world construction activities, particularly in Southeast Asia and the Middle East.

b. Commodity fields

Commodity fields in which the Branch has strong interests are:

- (1) Construction materials of all types
- (2) Construction equipment
- (3) Equipment used in the production of construction materials

c. Construction activities

Construction activities within the responsibility of the Branch are limited to the construction of all types of fixed installations; including such facilities as: housing, industrial buildings, dams, bridges, highways, railroads, airfields, canals, water conservancy projects, factories, agricultural buildings, guided missile sites, atomic energy, civil defense shelters, mines, and marine installations.

3. Topical class listing

a. Construction materials (in the order of their relative importance)

- (1) Cement
- (2) Brick, tile, pipe and other ceramic products
- (3) Precast concrete products (including prestressed concrete products)
- (4) Structural and reinforcing steel
- (5) Lumber for construction (both sawn and round)
- (6) Asbestos-cement products
- (7) Flat glass

S-E-C-R-E-T

S-E-C-R-E-T

- (8) Soft roofing
- (9) Stone, sand, and gravel
- (10) Lime (non-agricultural)
- (11) Gypsum
- (12) Prefabricated construction components
- (13) Dimension or cut stone

b. Equipment used in the production of construction materials

(1) Cement plant equipment

- (a) Rotary kilns (or ovens)
- (b) Crushing, screening and grinding equipment (hammer crush, jaw crusher, cement grinding mill, ball mill, pulverizer, tube mill, etc.)
- (c) Conveyors (various types such as apron or trough-belt, bucket elevators, pneumatic, screw-type elevators, etc.)
- (d) Mud or slurry pumps, storage hoppers, screens, etc.

(2) Brick plant equipment

- (a) Crushing and grinding equipment
- (b) Pug mills
- (c) Clay mixers
- (d) Brick presses
- (e) Brick kilns

(3) Precast and prestressed concrete products plant equipment

- (a) Concrete mixers
- (b) Cement and aggregate storage bins or hoppers
- (c) Scales
- (d) Conveying equipment
- (e) Wire and rod tensioning equipment
- (f) Screening equipment
- (g) Reuseable and specialized forms
- (h) Curing equipment
- (i) Handling equipment (cranes, fork or front-end lifts)

c. Construction equipment

- (1) Tractors and bulldozers
- (2) Excavating and hauling equipment
- (3) Road graders
- (4) Rollers
- (5) Cranes

S-E-C-R-E-T

- (6) Concrete mixing and placing equipment
- (7) Asphalt plants and paving equipment
- (8) Other ancillary construction equipment

d. Construction activities

- (1) Manufacturing plants (all types)
- (2) Processing plants (all types)
- (3) Raw Materials productive facilities

- (a) Mining
- (b) Forestry
- (c) Agriculture
- (d) N.E.C.

(4) Services and Utilities

- (a) Airfields
- (b) Highways
- (c) Railroads
- (d) Ports
- (e) Canals, dams, inland waterways, and water conservancy projects
- (f) Electric power plants and transmission lines
- (g) Water supply and sewers
- (h) Pipelines
- (i) Bridges and tunnels

(5) Underground installations (all types)

(6) Civilian and administrative construction

- (a) Housing
- (b) Offices and stores
- (c) Hospitals
- (d) Public buildings
- (e) Government buildings
- (f) Schools and cultural buildings
- (g) Civil defense structures (separate section on civil defense activities attached as appendix A to these requirements)
- (h) Research facilities
- (i) N.E.C.

(7) Military construction

- (a) Camps and barracks
- (b) Storage depots
- (c) Fortifications
- (d) Naval bases
- (e) Shelters (see d.(6) (g) above)
- (f) Training areas
- (g) Airfields
- (h) Guided missiles launching sites
- (i) N.E.C.

4. Description of types of data desired

a. Construction materials

- (1) Location and description of producing plants
- (2) Production and production capabilities of individual plants
- (3) Unit costs and prices
- (4) Annual production statistics (aggregate and individual plant)
- (5) Import-export statistics and information on materials and production equipment
- (6) Labor required for production (aggregate and individual plants)
- (7) Organization for production (to include governmental and administrative structures and their functions)
- (8) Inputs and shortages
- (9) Investment and expansion
- (10) Quality of production
- (11) Capacity of the industry
- (12) Regional distribution of production and consumption
- (13) Technology and efficiency of equipment

b. Construction equipment

- (1) Description
- (2) Quality and performance data
- (3) Extent of utilization
- (4) Costs
- (5) Production data

- (a) Plants producing equipment, types and output of each type
- (6) Equipment park (inventory)

c. Construction activities

- (1) Organization from ministerial through project level
- (2) Methods and procedures used
- (3) Costs and quantities of labor and materials used
- (4) Degree of mechanization on individual projects
- (5) Design standards and criteria
- (6) Quality of finished work
- (7) Unit costs of work performed, such as square or cubic meter of housing, cubic meter of excavation, kilometer of railroad; etc.
- (8) Overall costs of finished items or projects
- (9) Dimensions and sizes of building, building elements, structures, etc.
- (10) Economic and statistical data on volume and costs of construction in various fields and areas
- (11) Strength and breakdown of construction labor force (national, regional, local)

d. Planning and fulfillment data

All Sino-Soviet Bloc official Statistics and reports dealing with construction activities or construction materials including trade and technical assistance agreements with other countries and within the Bloc.

e. Investment Data

S-E-C-R-E-T

national economy. Such data will appear in several forms, such as:

- (1) Money value, physical volume, or percentage of investment which is allocated or consumed by increases in fixed capital stock.
- (2) The volume (in money, physical terms, or percentage) of expenditures devoted to construction activities (capital work, capital investment, or capital construction are used synonymously.)
- (3) Capital investment as a portion of total product (Gross National Product, Total Output, etc.)
- (4) The distribution of investment between allocations to plant and allocations to equipment and the distribution between new capital accumulation (new plant and equipment) and allocation to maintenance and repair of fixed capital.

5. Listing of Source Publications

- a. Current Digest of the Soviet Press
- b. Selections from the Soviet Press (State Department)
- c. FDD publications pertinent to Branch interest
- d. Foreign trade journals pertinent to Branch interest
- e. [REDACTED]
- f. [REDACTED]
- g. Eusats Press Summaries
- h. Summary of World Broadcast, BBC (L) Part V, the Far East, U.
- i. [REDACTED]
- j. [REDACTED]
- k. [REDACTED]

6. Branch Personnel to be contacted for Additional Clarification

Branch Chief, [REDACTED], x 4597 25X1A9a

USSR

Housing & Atomic Energy	[REDACTED]	x 4597
Industrial Construction, Capital Investment	[REDACTED]	x 3225
Transportation, Airfields, Guided Missiles)	[REDACTED]	x 623
Military Construction	[REDACTED]	x 623
Arctic Construction Activities	[REDACTED]	x 3225

Eusats

East Germany, Poland, Czechoslovakia	[REDACTED]	x 2821
Rumania, Hungary, Bulgaria, Albania	[REDACTED]	x 2821

S E C R E T

S-E-C-R-E-T

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Asiatic Satellites

x 4597
x 4598

Construction Materials (all areas)

x 4598
x 4598

Civil Defense

x 2822
x 2822

Distribution:

2 - St/S
12 - OCI Reading Panel
18 - S/CST
32 - ORR Reading Panel
2 - D/S

S-E-C-R-E-T

APPENDIX A

CIVIL DEFENSE

Geographical coverage: All Soviet Bloc countries in Europe and Asia, the Eastern European Satellites, Communist China, North Korea, North Vietnam, Outer Mongolia.

Substantive coverage: Organization, policies, and practices regarding the protection of the government, the civilian population and economic (industrial and transportation, and communication) facilities of any kind against aerial attack.

Specific subjects:

Statutes, decrees, orders, rules and regulations, directives, text books, manuals, and the like, issued by any type of organization and containing items related to civil defense.

Organizations and personnel involved in civil defense activities, including civil defense staffs of ministries; regional and local air defense units; Red Cross and para-military organizations; medical, fire, communications, police and transport organizations integrated in the civil defense system, city or other local disaster crews, civilian air watchers, etc.

Construction of civil defense significance, especially air raid shelters and bunkers, subways, alternate emergency headquarters, civil defense headquarters, protected wire lines, alternate roads and utility routes which bypass potential target areas, industrial underground construction, emergency water supply facilities, food storage, etc.

Protective measures for the government or Party including location and types of alternate structures and communication facilities as well as provisions for the appointment of alternate people to take control in case of casualties.

Personnel, facilities, and supplies available for medical emergency treatment in case of aerial and/or biological attack, including organization of medical, civil defense and training of personnel.

Scope, types and methods of civil defense training; organizations and groups involved in it as trainers or trainees. Key personnel.

Types, quantity, quality and places of storage of equipment and supplies available, or planned to be available, for civil defense at the national, regional, local, city block, factory or any other level.